



GLOBAL
RESEARCH
ALLIANCE

ON AGRICULTURAL GREENHOUSE GASES

IRG Stocktake of Priorities



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Countries asked to respond to

1. General priorities for the

2. Priorities for the Inventory and Carbon Sequestration Flagships that were being developed at that time.

3. Desired outcomes including country contributions

17 countries responded

“Agriculture is not an option so we need options for agriculture”

- Egypt

- Improving information sharing
 - Learn from experiences
 - Research prioritization based on better understanding of common knowledge gaps, constraints, limitations
 - Share methods, tools, models
 - Targeted training (developing country request and potential offer from some)
 - Databases of experimental results to improve understanding
 - MAGGnet
 - Many countries willing to contribute
 - Effect of soil and practices on soil carbon especially
 - Produce syntheses
 - Policy briefs
 - Summaries of “state of the art”

Priorities (2)

- Support networks
- Capability building
- Increase research collaboration
 - Facilitate mechanisms for collaboration
 - Network existing long-term experimental sites (carbon especially)
- Assess potential and feasibility of GHG intensity reduction for country-relevant management practices
 - What BMP will work?
 - (Common request across developed and developing countries)
- Work better with existing global initiatives
 - FAO, IPCC, UNFCCC

Subject-focused priorities

- Soil Carbon!
 - Potential and feasibility of carbon sequestration by soil type and practice (common)
 - What is best strategy for my country?
 - Better inclusion of interaction of soil carbon and N management (common)
 - Evaluate soil C change for specific systems/practices
 - Tillage
 - Pasture, grassland
 - Trees, woody biomass
 - Perennial grains
 - Various organic amendments

Subject-focused priorities (2)

- Soil Carbon
 - Consider in the context of soil improvement and other benefits
 - Include avoided emissions
 - Monitoring, Verification and Reporting (MRV) at national and project level

Subject-focused priorities (3)

- Inventory!
 - General improvement to Tier 2 and 3
 - Regional focus (Japan)
 - Improve factor and methods
 - Improve activity data
 - Identify production system similarities between countries
 - Increase uniformity of GHG model application
 - Better use of inventory for supporting policy
 - Targeted training of personnel (developing country)

Outcome and Comments

- Desired Outcomes
 - Action the priorities
 - Capability increased
 - (Better informed decisions that includes needed and valuable new knowledge gained)
- Collaboration must align with the country priorities and provide clear benefits for the country
- Interest to link existing country projects with GRA collaboration
- Ensure that farmer as change agent on the ground is not forgotten
- Put effort where activity already underway

Addressing priorities

- Inventory and Carbon Sequestration Flagships provide means to address priorities in those areas
- Increase information sharing opportunities
- Resources needed to move forward on any area
 - Much can be done with relatively modest resources
 - In-kind effort to organize is the general starting point
- Addressing county specific needs on potential and feasibility probably requires focussing on commonalities, leveraging resources to have more in-country research, and validating across geographies.